

SEQ ID NO: 1

1 LNAGITPVVR EYGLGCSGD LAPLSHCALV LMGEGEA

SEQ ID NO: 2

1 GMLNAGITPV VREYGLGCS GDLAPLSHCA LVLMGEGEAT

SEQ ID NO: 3

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV

101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL

151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN

201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR

251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYS

SEQ ID NO: 4

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV

101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL

151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN

201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR

251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD

301 TIAHARLVAT RELAAAIDNP VVLPSGEVTS NGNFHGAPVA YVLDFLAIAV

351 ADLGSIAERR TDRMLDPARS RDLPAFLADD PGVDSGMMIA QYTQAGLVAE

401 NKRLA

SEQ ID NO: 5

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA
51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVEREVV
101 RALMFLRAKT LASGRTGVRP VVLETMVGML NAGITPVVRE YGSLGCSGDL
151 APLSHCALVL MGEGEATDAH GDIRPVPELF AEAGLTPVEL AEKEGLALVN
201 GTDGMLGQLI MALADLDELL DIADATAAMS VEAQLGTDQV FRAELHEPLR
251 PHPGQGRSAQ NMFAFLADSP IVASHREGDG RVQDAYSLRC SPQVTGAARD
301 TIAHARLVAT RELAAAIDNP VVLPSGEVTS NGNFHGAPVA YVLDFLAIIV
351 ADLGSIAERR TDRMLDPARS RDLPAFLADD PGVDSGMMIA QYTQAGLVAE
401 NKRLAVPASV DSIPSSAMQE DHVSLGWHAA RKLRTSVANL RRILAVEMLI
451 AGRALDLRAP LKPGPATGAV LEVLRSKVAG PGQDRFLSAE LEAAYDLLAN
501 GSVHKALEAH LPA

SEQ ID NO: 6

1 XXXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XRXXXDALA
51 XXXXPVYGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV
101 RALMFLRXKT XASGXTGVRP XVXXTMXGXL NAGITPVVXE YGSLGCSGDL
151 APLSHCALXL MGEGEATXXX GXXRPXXELX AXXGXXPVEL XEKEGLALXN
201 GTDGMLGXLX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR
251 PHPGQGSAX NMXXXLAXSX XXXXHXXXXXX RVQDAYSXRC XPQVXGAXRD
301 TXXHAXLVAX RELAXXXDNP VVLPXGXVXS NGNFHGAPVA YVLDFLAIXX
351 ADLGSIXERR TDRXLDXXRS XXLXPFLADD XGVDSGXMIA QYTQAXLVXE
401 XKRLAVPASX DSIPSSAMQE DHVSXGWXAA RKLRTXVXNL XRIXAVEXXX
451 AXRAXXLRA X XLXPXPAXX AVXXXLRXXX AXGPGXDRFL XXXLXAAXXX
501 XXXGXXXXXAX E

SEQ ID NO: 7

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA
51 CGACGTTATC GCCGTTGCCC GCCACGAAGC CCGCATCAGC ATTTCTCCGC
101 AAGTACTTGA GGAAGTGGCT TCCGTCCGAG CACATATCGA TGCTACTAGCA
151 TCCGCTGATA CCCCAGTTTA TGGCATTTC AACCAGCTTTG GCGCGTTGGC
201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA
251 TCCGTTCCCA CGCTGCTGGC ATGGGTGAAC CGGTGGAGCG CGAAGTGGTC
301 CGCGCATTGA TGTTCCTGCG TGCAAAGACC CTGGCTTCCG GCCGCACGGG
351 CGTTCGCCCC GTTGTCCCTG AGACCATGGT CGGCATGCTC AATGCAGGCA
401 TCACTCCGGT AGTCCGCGAA TACGGTTCAC TGGGCTGCTC CGGTGACTTG
451 GCTCCGCTGT CGCACTGCGC ATTAGTGCTG ATGGGCGAGG GCGAAGCCAC
501 CGATGCCCCAC GGCGACATCC GCCCGGTACC GGAAGTGTTC GCCGAGGCCG
551 GATTGACCCC TGTCGAACTG GCAGAAAAGG AAGGCCTGGC TCTGGTCAAC
601 GGCACCGACG GCATGCTCGG CCAGCTGATC ATGGCATTGG CGGACCTCGA
651 TGAGCTGCTG GACATCGCCG ATGCCACCGC CGCCATGAGC GTTGAAGCCC
701 AGCTGGGCAC CGATCAGGTA TTCCGCGCAG AACTGCACGA ACCACTGCGC
751 CCGCACCCAG GCCAGGGCCG CAGCGCCCAG AACATGTTCG CCTTCCTGGC
801 CGACTCGCCA ATTGTTGCCT CGCATCGCGA GGGAGACGGC CGAGTGCAGG
851 ATGCCTACTC GCTGCGTTGC TCGCCGCAGG TCACCGGCGC CGCCCGCGAC
901 ACCATTGCTC ATGCCCCGCT GGTGCGCCACC CGCGAACTGG CTGCGGCCAT

951 TGACAACCCT GTGGTGCTGC CCAGCGGCGA AGTGA CTTC AACGGCAACT

1001 TCCACGGCGC ACCGGTAGCC TACGTGCTGG ACTTCCTTGC CATCGCCGTG

1051 GCCGACCTCG GCTCTATCGC CGAGCGCCGC ACCGACCGCA TGCTCGACCC

1101 AGCCCGCTCC CGCGACCTGC CGGCATTCTT GGCCGACGAT CCGGGTGTGG

1151 ACTCGGGCAT GATGATCGCC CAGTACACCC AGGCCGGCTT GGTGGCAGAA

1201 AACAAAGCGGC TGGCAGTTCC TGCCAGCGTT GACTCCATCC CATCCTCGGC

1251 CATGCAGGAA GACCACGTTT CCCTGGGCTG GCATGCGGCG CGCAAGCTGC

1301 GCACCTCGGT AGCGAACCTC CGCCGCATTC TCGCAGTGGA AATGCTGATT

1351 GCCGGCCGCG CCCTGGACCT GCGGGCCCCA TTGAAGCCTG GTCCAGCGAC

1401 CGGTGCGGTG CTTGAAGTAT TGCGCAGCAA GGTTCAGGC CCCGGCCAGG

1451 ACCGCTTCCT TTCCGCAGAA CTGGAAGCAG CCTATGACCT GCTGGCCAAT

1501 GGCTCGGTGC ATAAGGCCCT CGAAGCTCAC CTGCCTGCAT AA

SEQ ID NO: 8

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGETDAHG DIRPVPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELLD IADATAAMSV EAQLGTDQVF RAEHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYS

SEQ ID NO:9

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPVEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRPVPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELDD IADATAAMSV EAQLGTDQVF RAELEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYSLRCS PQVTGAARDT

301 IAHARLVATR ELAAAIDNPV VLPSGEVTSN GNFHGAPVAY VLDFLAIAVA

351 DLGSIAERRT DRMLDPARSR DLPAFLADDP GVDSGMMIAQ YTQAGLVAEN

401 KRLA

SEQ ID NO:10

1 MASAPQITLG LSGATADDVI AVARHEARIS ISPQVLEELA SVRAHIDALA

51 SADTPVYGIS TGFGALATRH IAPEDRAKLQ RSLIRSHAAG MGEPPEREVV

101 RALMFLRAKT LASGRSVRPV VLETMVGMLN AGITPVVREY GSLGCSGDLA

151 PLSHCALVLM GEGEATDAHG DIRVPPELFA EAGLTPVELA EKEGLALVNG

201 TDGMLGQLIM ALADLDELDD IADATAAMSV EAQLGTDQVF RAEHEPLRP

251 HPGQGRSAQN MFAFLADSPI VASHREGDGR VQDAYSLRCS PQVTGAARDT

301 IAHARLVATR ELAAAIDNPV VLPSGEVTSN GNFHGAPVAY VLDFLAIAVA

351 DLGSIAERRT DRMLDPARSR DLPAFLADDP GVDSGMMIAQ YTQAGLVAEN

401 KRLAVPAVDS IPSSAMQEDH VSLGWHAARK LPTSVANLRR ILAVEMLIAG

451 RALDLRAPLK PGPATGAVLE VLSKVAGPG QDRFLSAELE AAYDLLANGS

501 VHKALEAHL P E

SEQ ID NO: 11

1 XXXXXXXXXXXG XSGXTAXDVX AVARHXARXX XSXXXXEXLA XXRXXXDALA

51 XXXXPVYGXS TGFGALAXRH IXXEXRAXLQ RXXXRSHAAG MGXXVEREVV

101 RALMFLRXKT XASGXX-VRP XVXXTMX**G**XL NAGITPVVXE YGSLGCSGDL

151 APLSHCALVL MGEGEAT**T**XXX GXXRPXXELX AXXGXXPVEL XEKEGLALXN

201 GTDGMLGXLX MALADLXXLX XXADXTAAXS XEAXLGTDXV XXXELHXXXR

251 PHPGQGSAX NMXXXLAX-S XXXXXHXXXX X---RVQDAY SXRCXPQVXG

301 AXRDTXXHAX LVAXRELAXX XDNPVVLXPX -XVXSNGNFH GAPVAYVLDF

351 LAIXXADLGS IXERRTDRXL DXXRSXXLPX FLADDXGVDS GXMIAQYTQA

401 XLVXEXKRLA VPA-XDSIPS SAMQEDHVSX GWXAARKLXT XVXNLXRIXA

451 VEXXXAXRAX XLRAX-XXXX PAXXAVXXXL RXXXXA-GPGQ DRFLXXXLXA

501 AXXXXXXXX-- -X-XXXXXEX XXXX

SEQ ID NO: 12

1 ATGGCTTCCG CTCCTCAAAT AACACTTGGC CTAAGTGGCG CAACCGCAGA

51 CGACGTTATC GCCGTTGCCC GCCACGAAGC CCGCATCAGC ATTTCTCCGC

101 AAGTACTTGA GGAAGTGGCT TCCGTCCGAG CACATATCGA TGACTAGCA

151 TCCGCTGATA CCCCGGTTTA TGGCATTTCA ACCGGCTTTG GCGCGTTGGC

201 AACCCGCCAC ATCGCACCCG AGGATCGCGC CAAGCTGCAG CGCTCCCTCA

251 TCCGTTCCCA CGCTGCTGGC ATGGGTGAAC CGGTGGAGCG CGAAGTGGTC

301 CGCGCATTGA TGTTCTTGCG TGCAAAGACC CTGGCTTCCG GCCGCAGCGT

351 TCGCCCGGTT GTCCTTGAGA CCATGGTCGG CATGCTCAAT GCAGGCATCA

401 CTCCGGTAGT CCGCGAATAC GGTTCAGTGG GCTGCTCCGG TGACTTGGCT

451 CCGCTGTGCG ACTGCGCATT AGTGCTGATG GGCGAGGGCG AAGCCACCGA

501 TGCCCACGGC GACATCCGCC CGGTACCGGA ACTGTTCGCC GAGGCCGGAT

551 TGACCCCTGT CGAACTGGCA GAAAAGGAAG GCCTGGCTCT GGTCAACGGC

601 ACCGACGGCA TGCTCGGCCA GCTGATCATG GCATTGGCGG ACCTCGATGA

651 GCTGCTGGAC ATCGCCGATG CCACCGCCGC CATGAGCGTT

GAAGCCCAGC

701 TGGGCACCGA TCAGGTATTC CGCGCAGAAC TGCACGAACC ACTGCGCCCCG

751 CACCCAGGCC AGGGCCGCAG CGCCAGAAC ATGTTGCCT TCCTGGCCGA

801 CTCGCCAATT GTTGCTCGC ATCGCGAGGG AGACGGCCGA GTGCAGGATG

851 CCTACTCGCT GCGTTGCTCG CCGCAGGTCA CCGGCGCCGC CCGCGACACC

901 ATTGCTCATG CCCGCTGGT CGCCACCCGC GAACTGGCTG CGGCCATTGA

951 CAACCCTGTG GTGCTGCCCA GCGGCGAAGT GACTTCCAAC GGCAACTTCC

1001 ACGGCGCACC GGTAGCCTAC GTGCTGGACT TCCTTGCCAT CGCCGTGGCC

1051 GACCTCGGCT CTATCGCCGA GCGCCGCACC GACCGCATGC TCGACCCAGC

1101 CCGCTCCCGC GACCTGCCGG CATTCTGGC CGACGATCCG GGTGTGGACT

1151 CGGGCATGAT GATCGCCCAG TAACTCAGG CCGGCTTGGT GGCAGAAAAC

1201 AAGCGGCTGG CAGTTCCTGC AGTTGACTCC ATCCCATCCT CGGCCATGCA

1251 GGAAGACCAC GTTTCCTGG GCTGGCATGC GCGCGCAAG CTGCCGACCT

1301 CGGTAGCGAA CCTCCGCCGC ATTCTCGCAG TGGAAATGCT GATTGCCGGC

1351 CGCGCCCTGG ACCTGCGGGC CCCATTGAAG CCTGGTCCAG

CGACCGGTGC

1401 GGTGCTTGAA GTATTGCGCA GCAAGGTTGC AGGCCCCGGC CAGGACCGCT

1451 TCCTTTCCGC AGAACTGGAA GCAGCCTATG ACCTGCTGGC CAATGGCTCG

1501 GTGCATAAGG CCCTCGAAGC TCACCTGCCT GAATAA

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